**Electronic tender documentation**

Georgian Water and Power Ltd (GWP, ID 203826002) announces a tender for the following services:

Generator Brake System Rehabilitation

***Technical Assignment:***

Zhinvali hydro generator, type СВ 425/135-14 is manufactured by Kharkov factory “ELECTROTIAJMASH” in 1983-84. Vertical shaft generator is powered by type РО 170-В-180 hydro-turbine. Number of rotations is 428.6 rounds per minute.

Power of the generator is 32.5 megawatt; number is 4.

Works to be conducted for system rehabilitation purposes:

1. Modernization of existing mechanical brake jacks and replacement with modern system, without rotor removal, replacement of brake pads and brake cuffs;
2. Number of brake jacks- 6 units;
3. Structure of the brakes shall be prepared in a manner, which ensures safe landing of the brake cylinders after the pressure is released;
4. Brake system cabinet shall be replaced. Current of the cabinet is DC 220; brake system and rotor elevation system shall be placed in one cabinet;
5. Brake jacks shall be equipped with remote switch in order to examine condition of the braking pads;
6. Brake pad wearing out control system is required;
7. Brake pad surface shall be covered with synthetic materials, which does not create asbestos and coal dust-conducting electricity. Brake pads shall be heat resistant and sustainable in usage;
8. Braking of the hydro generator shall allow automatic, normal, and emergency braking when speed of rotation INS 25-30% of the normal rotation. Discharge air- 8 bar- shall be taken from the plant braking piping;
9. As solenoid valve is controlled by direct current, any signs of direct current on the solenoid valve shall be excluded before relay starts operating. Brake cabinet shall include electric contact manometers;
10. Mechanical braking cabinet shall be equipped with an electromagnetic valve before and after discrete pressure transmitter in order to regulate operating limits;
11. Brake system shall be equipped with manual braking capacities;
12. Equipment for lifting rotor shall be portable, with high pressure lubricant pump, control system and lubricant collector. Brake structure and piping system shall include means to remove the lubricants once the rotor is lifted. Device shall be able to automatically control the levels of height. It is desirable for two devices to be capable of lifting one rotor. Rotor lifting pressure is 200 bars. Height of rotor lifting is 15-20 mm. Rotor lifting device have manual lifting capacity;
13. Brake system shall be linked to device hydro-automated relay scheme and installed in the existing computerized control system in order to ensure full automated launch of the device;
14. High pressure piping with 0,5-inch diameter, quantity 40-50 m, operating pressure 200 bars.

**Notes:**

**• The aim of the competition is to select a qualified contractor who will provide the service according to the requirements of the company.**

**• It is necessary to inspect the brake system of the Zhinvali HPP generator on site.**

**• There are no complete detailed drawings on these works.**

**Requirements:**

1. The bidder must submit an estimation detailing the names of the works that will be performed and materials that will be used
2. Submission of complete report of the work performed and relevant detailed drawings.
3. Testing in accordance with European standards is mandatory.
4. The bidder participating in the tender, must have work experience of similar nature, complexity and content provided by the tender (rehabilitation, modernization) during the last 5 (five) years.
5. The bidder must submit copies of the documents proving the performance of the work of similar nature, complexity and content provided by the tender (copies of the contract, acceptance certificate and / or similar documents, from which it is possible to identify the content and values and nature ​​of the work).

**Payment terms**

Payment will be made by consignment, within 30 (thirty) calendar days from the provision of non-cash payment services and the signing of the relevant acceptance certificate and / or confirmation of the consignment note. In case of submitting a bank guarantee, it is possible to issue, a 20-25% advance payment

**Data to be uploaded / submitted by the bidder in the electronic tender:**

1. The bidder must submit an estimation detailing the names of the works that will be performed and materials that will be used
2. Extract from the Register of Entrepreneurs and Non-Entrepreneurial (Non-Commercial) Legal Entities, which must be issued after the announcement of this electronic tender.
3. Consent to these tender conditions, for which a signed tender application must be submitted.
4. The bidder must submit copies of the documents proving the similar nature, complexity and content of the work (copies of the contract, acceptance certificate and / or similar documents, from which it is possible to identify the content and values of the works).
5. The signature of the authorized person and stamp of the company must confirm all documents and / or information created by the bidder.
6. The contractor must sign the contractor's management plan

**Signing a contract**

• Contract draft upon request

• Contract performance guarantee - 5%.

• The warranty period of the work to be performed is 2 (two) years, from the date of signing the final acceptance-delivery act by the authorized persons of the buyer and the supplier.

**Other requirement**

At the time of submission of the proposal, the bidder must not be:

• In the process of bankruptcy;

• In the process of liquidation;

• In a state of temporary suspension of activities.

- Presentation of prices is allowed only in the national currency of Georgia (GEL). The prices should include all expenses and taxes provided by this tender (including VAT).

- The bid submitted by the bidder must be valid for 60 (sixty) calendar days from the date of receipt of bids.

- The Procurer (Georgian Water and Power Ltd (GWP, JSC 203826002) reserves the right to set the deadline for the tender, change the terms of the tender, notify the tender participants in a timely manner, or terminate the tender at any stage.

- The Procurer (Georgian Water and Power Ltd (GWP, JSC 203826002)) will identify the winning supplier to the Tender Commission and notify all participating companies of the decision. The Purchaser (Georgian Water and Power Ltd (GWP, JSC 203826002)) is not obliged to provide the participating company with a verbal or written explanation of any decision related to the competition.

- The Purchaser (Georgian Water and Power LLC (GWP, JSC 203826002)) reserves the right to verify any information received from bidders, as well as to obtain information about the bidding company or its activities. If it is confirmed that the information provided by the bidder is not true or falsified, the bidder will be disqualified.

- Please note that Purchaser (Georgian Water and Power Ltd (GWP, JSC 203826002)) will not accept any oral inquiries for additional information. Questions by phone are accepted as an exception.

Note: Any other information obtained by other means will not be official and does not give rise to any liability on the part of the Purchaser (Georgian Water and Power Ltd (GWP, JSC 203826002)).

**Information for e-tender participants**

- Any questions during the tender process must be in writing and the online Q&A mode of the tenders.ge portal must be used;

- To participate in the electronic tender, the company must be registered on the website [www.tenders.ge](http://www.tenders.ge)

- Instructions for participation in the electronic tender on tenders.ge can be found in the attached file

**Contact information:**

Procurement representative

Contact person: Magda Lomtatidze

Address: Georgia, Tbilisi, Mtatsminda district, Medea (Mzia) Jugheli street, №10

Email Email: mlomtatidze@gwp.ge

Tel: +995 322 931111; 595 22 66 94

Contact person: Irakli Khvadagadze

Address: Georgia, Tbilisi, Mtatsminda district, Medea (Mzia) Jugheli street, №10

Email Email: ikhvadagadze@gwp.ge

Tel: +995 322 931111 (1141); 599 50 50 67

**The deadline for** submission of the bids is **November 15, 2021 17:00 Georgian Time.**

Please email your bid on the following email: mlomtatidze@gwp.ge